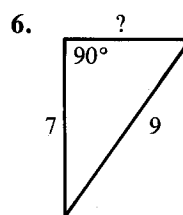
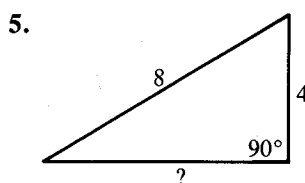
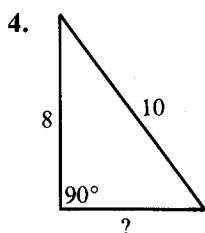
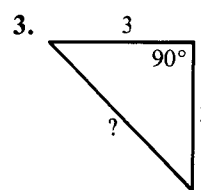
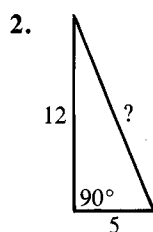
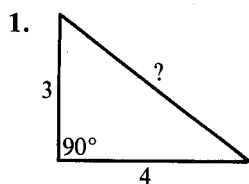


**Law of Pythagoras; Quotients of Square Roots** (For use after Section 11-7)

Find the length of the third side of the triangle.



7. Find the length of a line drawn from one corner to the opposite corner of a rectangular paper 9 cm by 12 cm.
- \_\_\_\_\_

Find the square root. Results should be in simplest form.

8.  $\sqrt{\frac{9}{49}}$  \_\_\_\_\_

9.  $\sqrt{\frac{1}{81}}$  \_\_\_\_\_

10.  $\sqrt{\frac{4}{169}}$  \_\_\_\_\_

11.  $\sqrt{\frac{64}{121}}$  \_\_\_\_\_

12.  $\sqrt{\frac{5}{16}}$  \_\_\_\_\_

13.  $\sqrt{\frac{21}{25}}$  \_\_\_\_\_

Simplify.

14.  $\sqrt{\frac{a^2}{36}}$  \_\_\_\_\_

15.  $\sqrt{\frac{4x^2}{25}}$  \_\_\_\_\_

16.  $\sqrt{\frac{n^2m^2}{16}}$  \_\_\_\_\_

17.  $\sqrt{\frac{5x^2}{49}}$  \_\_\_\_\_

18.  $\sqrt{\frac{11y^2}{9}}$  \_\_\_\_\_

19.  $\frac{1}{3}\sqrt{\frac{3n^2}{25}}$  \_\_\_\_\_